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**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION**

**MONITORING AND REPORTING PROGRAM NO. 96-32
FOR
DREDGE/FILL PROJECTS
CONDUCTED IN NAVIGABLE WATERS
WITHIN THE SAN DIEGO REGION**

A. MONITORING PROVISIONS

1. Samples and measurements taken as required herein shall be representative of the volume and nature of the monitoring discharge. All samples shall be taken at the monitoring points specified in this Monitoring and Reporting Program and, unless otherwise specified, before the effluent joins or is diluted by any other waste stream, body of water, or substance. Monitoring points shall not be changed without notification to and the approval of the Executive Officer.
2. Monitoring must be conducted according to United States Environmental Protection Agency test procedures approved under Title 40, Code of Federal Regulations (CFR), Part 136, Guidelines Establishing Test Procedures for Analysis of Pollutants Under the Clean Water Act as amended, unless other test procedures have been specified in this Monitoring and Reporting Program.
3. All analyses shall be performed in a laboratory certified to perform such analyses by the California Department of Health Services or a laboratory approved by the Executive Officer.
4. Monitoring results must be reported on discharge monitoring report forms approved by the Executive Officer.
5. If the discharger monitors any pollutant more frequently than required by this Monitoring and Reporting Program, using test procedures approved under 40 CFR, Part 136, or as specified in this Monitoring and Reporting Program, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the discharger's monitoring report. The increase in frequency of monitoring shall also be reported.
6. The discharger shall retain records of all monitoring

information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this Monitoring and Reporting Program, and records of all data used to complete the application for this Order. Records shall be maintained for a minimum of five years from the date of the sample, measurement, report, or application. This period may be extended during the course of any unresolved litigation regarding this discharge or when requested by the Regional Board Executive Officer.

7. Records of monitoring information shall include:

- (a) The date, exact place, and time of sampling, measurements, or observations;
- (b) The individual(s) who performed the sampling, measurements, or observations;
- (c) The date(s) analyses were performed;
- (d) The individual(s) who performed the analyses;
- (e) The analytical techniques or method used; and,
- (f) The results of such analyses.

8. All monitoring instruments and devices which are used by the discharger to fulfill the prescribed monitoring program shall be properly maintained and calibrated as necessary to ensure their continued accuracy.

9. The discharger shall report all instances of noncompliance not reported under Reporting Requirement 96-32 of this Order at the time monitoring reports are submitted. The reports shall contain the information listed in Reporting Requirement 96-32.

10. The monitoring reports shall be signed by an authorized person as required by Reporting Requirement 96-32.

11. A grab sample is an individual sample of at least 100 milliliters collected at randomly selected time over a period not exceeding 15 minutes.

B. INITIAL REPORT

The discharger shall notify the Regional Board by letter prior to starting their project. The notification shall be received by the Regional Board at least three days before any dredging work begins.

C. OPERATIONS MONITORING

The discharger shall submit as part of their monitoring report the following information:

1. Estimates of the daily volume (in cubic yards) of dredge material, the location from which the material was removed, and the location where the material was deposited of.
2. The total volume (in cubic yards) of dredged material removed during the project and the total volume (in cubic yards) of material deposited at each final disposal location.

D. VISUAL OBSERVATIONS

During any monitoring conducted pursuant to this monitoring and reporting program, visual observations shall also be made and recorded and submitted as part of the required reports. The following observations shall be made and recorded:

1. speed and direction of the currents;
2. tidal stage;
3. appearance of rubbish or refuse (including cans, bottles, paper, plastic, etc.), garbage, trash or any other solid waste;
4. appearance of oil or other materials of petroleum origin;
5. discoloration and extent of any visible turbidity plume; and,
6. odors.

E. RECEIVING WATER MONITORING

1. TURBIDITY

Sampling shall occur at three sampling stations. Station A is at 500 feet updrift of the dredging activities. Station B is inside any visual plume at the dredging site and/or within the silt curtain if possible. Station C is between 0 and 250 feet downdrift outside the silt curtain of the dredging activities and inside any visual plume if possible. At these stations, a Secchi Disc or turbidity meter shall be used each day during dredging activities to sample turbidity. If turbidity at Station C increases more than 20% over the turbidity at Station A, the dredging operations shall be suspended and appropriate measures taken, the Regional Board Executive Officer notified and remedial measures shall be implemented.

2. CHEMICAL ANALYSIS

A minimum of two grab samples of the receiving water at mid-depth shall be collected within the visible turbidity plume at the dredging site and at the near-shore disposal site and analyzed for the listed constituents. At least one sample shall be at each station identified in the above Item E.1:

CONSTITUENT	UNIT	SAMPLING FREQUENCY	REPORTING FREQUENCY
Total suspended solids	mg/L	monthly	quarterly
hydrogen sulfide	mg/L	monthly	quarterly
polar and nonpolar grease & oil	mg/L	monthly	quarterly

F. SUPERNATANT

Whenever dredged materials are being deposited directly onto the beach, samples of supernatant from a loaded barge shall be collected three times a week and analyzed for polar and nonpolar oil and grease and reported quarterly.

G. BEACH MONITORING

1. Turbidity

Whenever dredged materials are being deposited directly onto the beach, water samples shall be taken at three sampling stations. Station D is at 3000 feet updrift of the disposal site and 500 feet offshore. Station E at 1500 feet downdrift of the disposal site and 500 feet offshore. Station F is at disposal site and inside any visual plume if possible. At these stations, a Secchi Disc or turbidity meter shall be used weekly during disposal activities to sample turbidity. If turbidity at Station E increases more than 20% over the turbidity at Station D, the disposal operations shall be suspended and appropriate measures taken, the Regional Board Executive Officer notified and remedial measures shall be implemented.

2. Coliform

Whenever dredged materials are being deposited directly onto the beach, three replicate water samples shall be taken once per week within 100 feet down current of each dredged material disposal point(s). If any water sample is found to contain bacteria in levels that exceed Ocean Plan Bacterial Water-Contact Standards, the Department of Health Services of the applicable County shall be notified immediately and the Regional Board shall be notified within 24 hours. Additional daily sampling shall be conducted within the surf zone at 100, 200, 500 and 1,000 feet downcurrent of the dredged material disposal points(s) until the bacterial contamination is noted for three consecutive days.

Monitoring reports for beach sampling, when all samples are in compliance with all water quality standards, shall be submitted quarterly. If any sample is identified as exceeding water quality standards, a report shall be submitted within 15 days after it has been determined that water quality has returned to compliance with applicable standards.

Except as indicated above, when no materials are being disposed directly on the beach, no beach monitoring is required.

H. COMPLIANCE STATEMENTS

The discharger will submit statements indicating compliance or noncompliance of the proposed project with the requirements of Order No. 96-32. Compliance statements will be submitted quarterly until project completion.

I. FINAL REPORT

The discharger will notify the Regional Board by letter upon completion of the project. Project completion is considered to be the date on which all dredged material has been deposited at its final disposal location.

J. REPORTING

Monitoring reports shall be submitted to the Executive Officer in accordance with the following schedule:

Reporting Frequency

Report Period	Report Due
Quarterly January, February, March	April 30
April, May, June	July 30
July, August, September	October 30
October, November, December	January 30

The discharger shall notify the Executive Officer by letter the date dredging activities subside and the date activity resumes.

Monitoring Reports shall be submitted to:

California Regional Water Quality Control Board
San Diego Region
9771 Clairemont Mesa Blvd., Suite A
San Diego, Ca 92124-1131

Ordered by: _____
JOHN H. ROBERTUS
Executive Officer
May 9, 1996